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Amendments to the Claims:

Please amend the claims to read as follows. This listing of claims replaces all prior versions and listings of claims in the application:

- 1. (Withdrawn) A micro-pattern embedded optical film that supports growth, identification and measurement of cells.
- 2. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains straight and curved geometric shapes.
- 3. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains numbers.
- 4. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains letters.
- 5. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern has dimensions that range from sub-micron to 5 millimeters.
- 6. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a coordinate system wherein each location on said optical film may be identified by a set of numbers or letters or combination of numbers and letters.
- 7. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a first side and a second side, wherein said first side contains embedded micro-patterns, wherein said second side contains no micro-pattern.

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- 8. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said micro-pattern contains a first side and a second side, wherein said first side and said second side both contain embedded micro-patterns.
- 9. (Withdrawn) The micro-pattern embedded optical film as defined in claim1, wherein said optical film has a plastic substrate.
 - 10. (Canceled)
 - 11. (Canceled)
 - 12. (Canceled)
 - 13. (Canceled)
- 14. (Currently amended) An apparatus-with a micro pattern embedded optical film that supports A device for growth, identification and measurement of cells, said apparatus containing a micro pattern embedded optical film and supporting components. comprising:

a micro-pattern embedded plastic optical film having a plurality of regions formed
by contrast features, each of said regions having a unique identifier and each of said
contrast features observable during microscopic viewing; and

a supporting component bonded to said micro-pattern embedded plastic optical film, said supporting component and said micro-pattern embedded plastic optical film defining a volume for holding a liquid.

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- 15. (Currently amended) The apparatus as defined in claim 14, wherein said micropattern embedded optical film has further comprises a plastic substrate and wherein said micropattern embedded optical film is disposed on said plastic substrate.
- 16. (Currently amended) The apparatus as defined in claim 14, wherein said micropattern embedded optical film and said supporting components are connected bonded by an
 adhesive layer.
- 17. (Currently amended) The apparatus as defined in claim 16, wherein said adhesive layer is made of comprises a pressure sensitive adhesive.
- 18. (Currently amended) The apparatus as defined in claim 16, wherein said adhesive layer is made of comprises an energy curable adhesive.
- 19. (Currently amended) The apparatus device as defined in claim 14, wherein said apparatus contains supporting component has a shape defining a plurality of assay locations wells each adapted for performing an assay.
 - 20. (Canceled)
- 21. (New) The device as defined in claim 14 wherein the contrast features comprise recessed areas having a depth.
- 22. (New) The device as defined in claim 14 wherein the contrast features comprise protrusions having a height.